



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER19960002

Agency Interest No. 2625

Mr. Bradley Stotz
Plant Manager
Entergy Gulf States Utilities, Inc.
2605 Hwy 75
St. Gabriel, LA 70776

RE: Part 70 Operating Permit - Willow Glen Electric Generating Plant
Entergy Gulf States Utilities, Inc., St. Gabriel, Iberville Parish, Louisiana

Dear Mr. Stotz :

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 1280-00010-V0

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:KAM
c: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

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AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ENTERGY GULF STATES UTILITIES, INC. – WILLOW GLEN PLANT
AGENCY INTEREST NO.: 2625
ENTERGY GULF STATES UTILITIES, INC.
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA

I. Background

Entergy Gulf States Utilities, Inc. wishes to permit an existing Electric Services facility. The Willow Glen Electric Generating Plant currently operates under Permit No. 229(M-2), issued November 13, 1984. An Acid Rain Permit Renewal, No. 1280-00010-IV1 was issued for this facility on September 28, 2005.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Entergy Gulf States Utilities, Inc. on October 3, 1996 requesting a Part 70 operating permit. Additional information dated November 2, 2005, January 13, 2006, and March 27-29, 2006 was also received.

III. Description

The Willow Glen Electric Generating Plant generates approximately 2045 MW of power for the surrounding area and the city of St. Gabriel. The Willow Glen facility generates electricity from the combustion of natural gas, No. 2 fuel oil, No.4 fuel oil and No. 6 fuel oil burned as a source of energy to generate steam in five main boilers. The steam is used to drive steam turbines which are connected to the electric generators that provide the electric power.

Unit 1 boiler burns natural gas as its primary fuel, No. 2 fuel oil as its secondary fuel and burns No. 4 fuel oil as a tertiary fuel with a maximum heat input of 1522 (gas) and 1672 (oil) MMBtu/hr. Unit 1 exhausts from two separate stacks, C1A and C1B.

Unit 2 boiler burns natural gas as its primary fuel, No. 2 fuel oil as its secondary fuel and burns No. 4 fuel oil as a tertiary fuel with a maximum heat input of 2188 (gas) and 2158 (oil) MMBtu/hr. Unit 2 exhausts from two separate stacks, C2A and C2B.

Unit 3 boiler burns natural gas as its primary fuel, No. 2 fuel oil as its secondary fuel and burns No. 4 fuel oil as a tertiary fuel with a maximum heat input of 5900 (gas) and 5400 (oil) MMBtu/hr. Unit 3 exhausts from one stack, C3.

Unit 4 boiler burns natural gas as its primary fuel, and No. 6 fuel oil as its secondary fuel with a maximum heat input of 5400 (gas) and 5400 (oil) MMBtu/hr. Unit 4 exhausts from one stack, C4.

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Unit 5 boiler burns natural gas as its primary fuel, and No. 6 fuel oil as its secondary fuel with a maximum heat input of 5544 (gas) and 5400 (oil) MMBtu/hr. Unit 4 exhausts from one stack, C5.

There is a Unit 3 auxiliary boiler that burns natural gas as its primary fuel, No. 2 fuel oil as its secondary fuel and burns No. 4 fuel oil as a tertiary fuel with a maximum heat input of 206 (gas) and 206 (oil) MMBtu/hr. Unit 3 auxiliary boiler is used to start the Unit 3 boiler and exhausts out of stack C6.

The Willow Glen plant utilizes eleven tanks to store the fuel oil needed for power generation. Tanks T-1, T-2, T-3 are capable of storing No. 2 and No. 4 fuel oil. Tanks T-4, T-5, T-6, T-7, T-8, T-9, T-10, and T-11 store only No. 6 fuel oil. Tank No. T-115 stores gasoline.

In addition to combustion boilers and fuel oil tanks, the Willow Glen Plant utilizes four Lime Storage silos, M1-M4, and a Fly Ash Silo, M5. All of these sources emit insignificant amounts of particulate matter.

On-site are two 35,000-Gallon Hydrocarbon Storage Tanks for housing Natural Gas Distillate. Neither of the tanks is presently in service.

Carbon Monoxide and Sulfur Dioxide emissions are not increasing due to mode of operation or increased boiler throughput. Increases in CO emissions are due to increased AP-42 factors for boilers 3-5 and Aux boiler 3. There are no physical changes or changes in method of operation of the boilers.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	13843.00	7368.24	- 6474.76
SO ₂	64199.00	66641.76	+ 2442.76
NO _x	26037.00	23758.00	- 2279.00
CO	3123.00	5856.38	+ 2733.38
VOC	689.00	600.45	-88.55

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Pollutant	Emissions
1,1,1-Trichloroethane*	0.16
2,2,4-Trimethylpentane	< 0.01
Arsenic*	0.57
Antimony*	1.66
Barium	0.82
Benzene	0.21
Beryllium*	0.11
Cadmium*	0.23
Chromium*	0.37
Copper*	0.81
Cumene	0.02
Dichlorobenzene	0.12
Ethyl Benzene	0.07
Formaldehyde	20.34
Lead compounds*	0.84
Manganese*	1.19
Mercury*	0.15
Napthalene	0.71
n-Hexane	3.79
Nickel*	26.75
Selenium*	0.82
Toluene	5.13
Xylene	1.16
Zinc*	9.33
Total	75.36
VOC TAPs	31.55
*Non-VOC TAPs	43.81

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IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Per LAC 33:III.5105.B.3, emissions from Group 1 virgin fossil fuels are exempt from LAC 33:III.Chapter 51, subpart A. Per LAC 33:III.5105.B.2, electric utility steam generating units are exempt from the requirements of LAC 33:III.51, Subchapter A.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

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VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3 (screen)

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
PM10	24-Hour	12.69 $\mu\text{g}/\text{m}^3$	(150) $\mu\text{g}/\text{m}^3$
	Annual	0.67 $\mu\text{g}/\text{m}^3$	(50) $\mu\text{g}/\text{m}^3$
NOx	Annual	3.25 $\mu\text{g}/\text{m}^3$	(100) $\mu\text{g}/\text{m}^3$
SO2	3-Hour	46.09 $\mu\text{g}/\text{m}^3$	(1300) $\mu\text{g}/\text{m}^3$
	24-Hour	12.71 $\mu\text{g}/\text{m}^3$	(365) $\mu\text{g}/\text{m}^3$
	Annual	0.64 $\mu\text{g}/\text{m}^3$	(80) $\mu\text{g}/\text{m}^3$

VIII. General Condition XVII Activities

Work Activity	Schedule	PM ₁₀	Emission Rates - tons			
			SO ₂	NO _x	CO	VOC
-none-						

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IX. Insignificant Activities

ID No.:	Description	Citation Insignificant Activity per LAC 33:III.501.B.5
C7	2.625 MMBTU/hr Diesel Fire Pump	A.1
C8	2.625 MMBTU/hr Diesel Fire Pump	A.1
C9	0.798 MMBTU/hr Natural Gas/Propane Generator (Units 1 and 2)	A.1
C10	7.042 MMBTU/hr Natural Gas/Propane Generator (Units 3 and 4)	A.1
C11	7.042 MMBTU/hr Natural Gas/Propane Generator (Unit 5)	A.1
-	9,000-Gallon Turbine Lube Oil (5 Tanks)	A.3
-	7,812-Gallon Turbine Lube Oil	A.3
-	16,056-Gallon Turbine Lube Oil	D
-	16,002-Gallon Turbine Lube Oil	D
-	Generator Seal Oil (5 Tanks) Turbine	A.3
-	16,002-Gallon Used Turbine Lube Oil	D
-	7,812-Gallon Used Turbine Lube Oil	D
-	16,002-Gallon Used Turbine Lube Oil	D
-	1,000-Gallon Used Oil Tank	A.3
-	200-Gallon Fuel Dispensing Diesel Storage Tank	A.2
-	200-Gallon Fuel Dispensing Kerosene Storage Tank	A.2
-	18,000-Gallon Propane Storage Tank	D

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Table 1. Applicable Louisiana and Federal Air Quality Requirements

X. ID No.:	Description	LAC 33:III, Chapter																		
		5 ^A	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53	56	59	
GRP 24	Plant Wide	1	1	1	1						1								1	
EQT 1	C1A - Unit 1 Stack A			1	1	1													1	
EQT 2	C1B - Unit 1 Stack B			1	1	1													1	
EQT 3	C2A - Unit 2 Stack A			1	1	1													1	
EQT 4	C2B - Unit 2 Stack B			1	1	1													1	
EQT 5	C3 - Unit 3 Stack			1	1	1													1	
EQT 6	C4 - Unit 4 Stack			1	1	1													1	
EQT 7	C5 - Unit 5 Stack			1	1	1													1	
EQT 8	C6 - Aux. Unit 3 Stack			1	1	1													2	
EQT 9	T1 - Fuel Oil Storage Tank #501									3										
EQT 10	T2 - Fuel Oil Storage Tank #502									3										
EQT 11	T3 - Fuel Oil Storage Tank #503									3										
EQT 12	T4 - Fuel Oil Storage Tank #504									3										
EQT 13	T5 - Fuel Oil Storage Tank #505									3										
EQT 14	T6 - Fuel Oil Storage Tank #506									3										
EQT 15	T7 - Fuel Oil Storage Tank #507									3										
EQT 16	T8 - Fuel Oil Storage Tank #508									3										
EQT 17	T9 - Fuel Oil Storage Tank #509									3										
EQT 18	T10 - Fuel Oil Storage Tank #510									3										

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		5 [▲]	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53	56	59	
EQT 19	T11 – Fuel Oil Storage Tank #511																			
EQT 20	T115 – Gasoline Storage Tank									3										
EQT 21	M1 – Lime Storage Silo				1															
EQT 22	M2 – Lime Storage Silo				1															
EQT 23	M3 – Lime Storage Silo				1															
EQT 24	M4 – Lime Storage Silo				1															
EQT 25	M5 – Fly Ash Silo				1															
ARE 01	Unpaved Roads Fugitive Emissions				1															

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS							40 CFR 63											
		A	K	Ka	D	Db	GG	KKK	A	M	V	A	DDDD	72	73	75	76	77	78	
GRP 24	Plant Wide																			
EQT 1	C1A – Unit 1 Stack A				3								3		1	1	1			
EQT 2	C1B – Unit 1 Stack B				3								3		1	1	1			
EQT 3	C2A – Unit 2 Stack A				3								3		1	1	1			
EQT 4	C2B – Unit 2 Stack B				3								3		1	1	1			
EQT 5	C3 – Unit 4 Stack				1								3		1	1	1			
EQT 6	C4 – Unit 5 Stack				3								3		1	1	1			
EQT 7	C5 – Unit 5 Stack				3								3		1	1	1			
EQT 8	C6 – Aux. Unit 3 Stack				3								3		1	1	1			
EQT 9	T1 – Fuel Oil Storage Tank #501	3																		
EQT 10	T2 – Fuel Oil Storage Tank #502	3																		
EQT 11	T3 – Fuel Oil Storage Tank #503	3																		
EQT 12	T4 – Fuel Oil Storage Tank #504	3																		
EQT 13	T5 – Fuel Oil Storage Tank #505	3																		
EQT 14	T6 – Fuel Oil Storage Tank #506	3																		
EQT 15	T7 – Fuel Oil Storage Tank #507	3																		
EQT 16	T8 – Fuel Oil Storage Tank #508	3																		
EQT 17	T9 – Fuel Oil Storage Tank #509	3																		

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		A	K	Ka	D	Db	GG	KKK	A	M	V	A	DDDDD	72	73	75	76	77	78
EQT 18	T10 – Fuel Oil Storage Tank #510		3																
EQT 19	T11 – Fuel Oil Storage Tank #511		3																
EQT 20	T115 – Gasoline Storage Tank		3																
EQT 21	M1 – Lime Storage Silo																		
EQT 22	M2 – Lime Storage Silo																		
EQT 23	M3 – Lime Storage Silo																		
EQT 24	M4 – Lime Storage Silo																		
EQT 25	M5 – Fly Ash Silo																		
ARE 01	Unpaved Roads Fugitive Emissions																		

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
Entire Facility AI 2625	Chemical Accident Prevention and Minimization of Consequences [LAC 33:III.Chapter 59]	DOES NOT APPLY. Facility does not store or process any referenced list substances greater than the threshold amounts.
Entire Facility AI 2625	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5112]	EXEMPT. Emissions from the combustion of Group 1 virgin fossil fuels are exempt from LAC 33:III. Chapter 51 per LAC 33:III.5105.B.3.a.
EQT 9-19 Fuel Oil Storage Tanks	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Stored Fuel oil maximum vapor pressures < 1.5 psia.
EQT 8 Aux. 3 Boiler	Control of Emissions of Nitrogen Oxides (NOx) [LAC 33:III.2201]	EXEMPT. Emissions from the combustion of any point source used solely to start up a process per LAC 33:III.2201.9
EQT 9-20 Fuel Oil Storage Tanks	NSPS Subpart K - Standards of Performance for Storage Vessels for Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and Prior to May 19, 1978. [40 CFR 60.110]	DOES NOT APPLY. Storage tank constructed before June 11, 1973.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 1-4, 6-8 Units 1, 2, 4,5, and Aux. 3 Boilers	NSPS Subpart D - Standards of Performance for Steam Generating Units for which Construction, Reconstruction, or Modification Commenced after August 17, 1971. [40 CFR 60.40a]	DOES NOT APPLY. Steam Generating Units were constructed prior to August 17, 1971.
EQT 1-8 Units 1-5, and Aux. 3 Boilers	NESHAP Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters. [40 CFR 63.7491c]	DOES NOT APPLY. Electric utility fossil fuel-fired steam generating boilers >25 MW that serve a generator to produce electricity are not subject to this subpart.
EQT 8 Aux. 3 Boiler		

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement. [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of

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attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

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5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

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- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

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GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 3, 1996, along with supplemental information dated November 2, 2005 and January 13, 2006, and March 27-29, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 2625 Entergy Gulf States Utilities Inc - Willow Glen Plant
Activity Number: PER19960002
Permit Number: 1280-00010-V0
Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	LAO4873	ADVF #	Asbestos	01-23-2003
	1280-00010	Entergy Gulf States Utilities Inc - Willow Glen Plant	CDS Number	05-27-1993
	1280-00010	Entergy Gulf States Utilities Inc - Willow Glen Plant	Emission Inventory	03-03-2004
	74-0862730	Federal Tax ID	Federal Tax ID	11-21-1999
	LAD062648068	Entergy Gulf States Inc - Willow Glen Plant	Hazardous Waste Notification	10-31-1983
	LA0005851	WPC File Number	LPDES Permit #	06-25-2003
	WP0162	WPC State Permit Number	LWDPS Permit #	06-25-2003
	11030	X-Ray Registration Number	Radiation X-ray Registration Number	06-29-2004
	G-047-1615	Site Id #	Solid Waste Facility No.	11-21-1999
	20664	Willow Glen	TEMPO Merge	05-13-2001
	9734	Gulf States - Willow	TEMPO Merge	05-13-2001
	70076NTRGY2605H	TRI #	Toxic Release Inventory	07-12-2004
	24004587	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002

Physical Location: 2605 Hwy 75 St. Gabriel, LA 70776 **Main Phone:** 4099813243

Mailing Address: 2605 Hwy 75 St. Gabriel, LA 70776

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Milton Billodeaux	2605 Hwy 75 St. Gabriel, LA 70776	2256423651 (WP)	Asbestos Contact for
	Milton Billodeaux	2605 Hwy 75 St. Gabriel, LA 70776	2256423651 (WP)	Haz. Waste Billing Party for
	Frank Harbison	2605 Hwy 75 St. Gabriel, LA 70776	2256423706 (WP)	Accident Prevention Contact for
	Tim R. Stone Sr.	2605 Hwy 75 St. Gabriel, LA 70776	2256423706 (WP)	Accident Prevention Billing Party for
	Bradley Stotz	PO Box 61000 MU L-ENT-5E New Orleans, LA 701611000	5045766037 (WP)	Responsible Official for
	Gustave M. Von Bodungen	2605 Hwy 75 St. Gabriel, LA 70776	5046428747 (WP)	Water Billing Party for
	Joe E. Zammit	2605 Hwy 75 St. Gabriel, LA 70776	5046428747 (WP)	Underground Storage Tank Contact for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Entergy Gulf States Inc	PO Box 551 Little Rock, AR 722030551	5013773888 (WP)	UST Billing Party for
	Entergy Gulf States Inc	PO Box 551 Little Rock, AR 722030551	5013773888 (WP)	Owms
	Entergy Gulf States Utilities Inc	2605 Hwy 75 St. Gabriel, LA 70776	2256423709 (WP)	Radiation Registration Billing Party for
	Entergy Gulf States Utilities Inc	2605 Hwy 75 St. Gabriel, LA 70776	2256423709 (WP)	Air Billing Party for
	Entergy Gulf States Utilities Inc	2605 Hwy 75 St. Gabriel, LA 70776	2256423709 (WP)	Operates

SIC Codes: 4911, Electric services

General Information

At ID: 2625 Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant
 Activity Number: PER19960002
 Permit Number: 1280-00010-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE001	Unpaved Road Fugitive Emissions					
EQT001	Unit 1 Stack A - Multiple Fuels		1672 MM BTU/hr			8760 hr/yr (All Year)
EQT002	Unit 1 Stack B - Multiple Fuels		1672 MM BTU/hr			8760 hr/yr (All Year)
EQT003	Unit 2 Stack A - Multiple Fuels		2188 MM BTU/hr			8760 hr/yr (All Year)
EQT004	Unit 2 Stack B - Multiple Fuels		2188 MM BTU/hr			8760 hr/yr (All Year)
EQT005	Unit 3 Stack - Multiple Fuels		5900 MM BTU/hr			8760 hr/yr (All Year)
EQT006	Unit 4 Stack - Multiple Fuels		5400 MM BTU/hr			8760 hr/yr (All Year)
EQT007	Unit 5 Stack - Multiple Fuels		5544 MM BTU/hr			8760 hr/yr (All Year)
EQT008	Unit 3 Auxiliary Boiler - Multiple Fuels		206 MM BTU/hr			8760 hr/yr (All Year)
EQT009	Fuel Oil Storage Tank No. 501	1.09 million gallons				8760 hr/yr (All Year)
EQT010	Fuel Oil Storage Tank No. 502	3.15 million gallons				8760 hr/yr (All Year)
EQT011	Fuel Oil Storage Tank No. 503	3.15 million gallons				8760 hr/yr (All Year)
EQT012	Fuel Oil Storage Tank No. 504	11.55 million gallons				8760 hr/yr (All Year)
EQT013	Fuel Oil Storage Tank No. 505	11.55 million gallons				8760 hr/yr (All Year)
EQT014	Fuel Oil Storage Tank No. 506	11.55 million gallons				8760 hr/yr (All Year)
EQT015	Fuel Oil Storage Tank No. 507	11.55 million gallons				8760 hr/yr (All Year)
EQT016	Fuel Oil Storage Tank No. 508	11.55 million gallons				8760 hr/yr (All Year)
EQT017	Fuel Oil Storage Tank No. 509	11.55 million gallons				8760 hr/yr (All Year)
EQT018	Fuel Oil Storage Tank No. 510	11.55 million gallons				8760 hr/yr (All Year)
EQT019	Fuel Oil Storage Tank No. 511	11.55 million gallons				8760 hr/yr (All Year)
EQT020	Gasoline Tank	565 gallons				8760 hr/yr (All Year)
EQT021	Lime Storage Silo					8760 hr/yr (All Year)
EQT022	Lime Storage Silo					8760 hr/yr (All Year)
EQT023	Lime Storage Silo					8760 hr/yr (All Year)
EQT024	Lime Storage Silo					8760 hr/yr (All Year)
EQT025	Fly Ash Silo					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Unit 1 Stack A - Natural Gas Fired	EQT1 Unit 1 Stack A - Multiple Fuels
GRP002	Unit 1 Stack A - No. 2 Fuel Oil Fired	EQT1 Unit 1 Stack A - Multiple Fuels
GRP003	Unit 1 Stack A - No. 4 Fuel Oil Fired	EQT1 Unit 1 Stack A - Multiple Fuels

INVENTORIES

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	Unit 1 Stack B - Natural Gas Fired	EQ12 Unit 1 Stack B - Multiple Fuels
GRP005	Unit 1 Stack B - No. 2 Fuel Oil Fired	EQ12 Unit 1 Stack B - Multiple Fuels
GRP006	Unit 1 Stack B - No. 4 Fuel Oil Fired	EQ12 Unit 1 Stack B - Multiple Fuels
GRP007	Unit 2 Stack A - Natural Gas Fired	EQ13 Unit 2 Stack A - Multiple Fuels
GRP008	Unit 2 Stack A - No. 2 Fuel Oil Fired	EQ13 Unit 2 Stack A - Multiple Fuels
GRP009	Unit 2 Stack A - No. 4 Fuel Oil Fired	EQ13 Unit 2 Stack A - Multiple Fuels
GRP010	Unit 2 Stack B - Natural Gas Fired	EQ14 Unit 2 Stack B - Multiple Fuels
GRP011	Unit 2 Stack B - No. 2 Fuel Oil Fired	EQ14 Unit 2 Stack B - Multiple Fuels
GRP012	Unit 2 Stack B - No. 4 Fuel Oil Fired	EQ14 Unit 2 Stack B - Multiple Fuels
GRP013	Unit 3 Stack - Natural Gas Fired	EQ15 Unit 3 Stack - Multiple Fuels
GRP014	Unit 3 Stack - No. 2 Fuel Oil Fired	EQ15 Unit 3 Stack - Multiple Fuels
GRP015	Unit 3 Stack - No. 4 Fuel Oil Fired	EQ15 Unit 3 Stack - Multiple Fuels
GRP016	Unit 4 Stack - Natural Gas Fired	EQ16 Unit 4 Stack - Multiple Fuels
GRP017	Unit 4 Stack - No. 6 Fuel Oil Fired	EQ16 Unit 4 Stack - Multiple Fuels
GRP018	Unit 5 Stack - Natural Gas Fired	EQ17 Unit 5 Stack - Multiple Fuels
GRP019	Unit 5 Stack - No. 6 Fuel Oil Fired	EQ17 Unit 5 Stack - Multiple Fuels
GRP020	Unit 3 Aux Boiler Stack- Natural Gas	EQ18 Unit 3 Auxiliary Boiler - Multiple Fuels
GRP021	Unit 3 Aux Boiler Stack - No. 2 Fuel Oil Fired	EQ18 Unit 3 Auxiliary Boiler - Multiple Fuels
GRP022	Unit 3 Aux Boiler Stack - No. 4 Fuel Oil Fired	EQ18 Unit 3 Auxiliary Boiler - Multiple Fuels
GRP023	Boiler Common Requirements Group	EQ11 Unit 1 Stack A - Multiple Fuels
GRP023	Boiler Common Requirements Group	EQ12 Unit 1 Stack B - Multiple Fuels
GRP023	Boiler Common Requirements Group	EQ13 Unit 2 Stack A - Multiple Fuels
GRP023	Boiler Common Requirements Group	EQ14 Unit 2 Stack B - Multiple Fuels
GRP023	Boiler Common Requirements Group	EQ15 Unit 3 Stack - Multiple Fuels
GRP023	Boiler Common Requirements Group	EQ16 Unit 4 Stack - Multiple Fuels
GRP023	Boiler Common Requirements Group	EQ17 Unit 5 Stack - Multiple Fuels
GRP024	Entire Facility	A12625
GRP024	Entire Facility	ARE1 Unpaved Road Fugitive Emissions
GRP024	Entire Facility	EQ11 Unit 1 Stack A - Multiple Fuels
GRP024	Entire Facility	EQ12 Unit 1 Stack B - Multiple Fuels
GRP024	Entire Facility	EQ13 Unit 2 Stack A - Multiple Fuels
GRP024	Entire Facility	EQ14 Unit 2 Stack B - Multiple Fuels
GRP024	Entire Facility	EQ15 Unit 3 Stack - Multiple Fuels
GRP024	Entire Facility	EQ16 Unit 4 Stack - Multiple Fuels
GRP024	Entire Facility	EQ17 Unit 5 Stack - Multiple Fuels
GRP024	Entire Facility	EQ18 Unit 3 Auxiliary Boiler - Multiple Fuels
GRP024	Entire Facility	EQ19 Fuel Oil Storage Tank No. 501

INVENTORIES

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP024	Entire Facility	EQT10 Fuel Oil Storage Tank No. 502
GRP024	Entire Facility	EQT11 Fuel Oil Storage Tank No. 503
GRP024	Entire Facility	EQT12 Fuel Oil Storage Tank No. 504
GRP024	Entire Facility	EQT13 Fuel Oil Storage Tank No. 505
GRP024	Entire Facility	EQT14 Fuel Oil Storage Tank No. 506
GRP024	Entire Facility	EQT15 Fuel Oil Storage Tank No. 507
GRP024	Entire Facility	EQT16 Fuel Oil Storage Tank No. 508
GRP024	Entire Facility	EQT17 Fuel Oil Storage Tank No. 509
GRP024	Entire Facility	EQT18 Fuel Oil Storage Tank No. 510
GRP024	Entire Facility	EQT19 Fuel Oil Storage Tank No. 511
GRP024	Entire Facility	EQT20 Gasoline Tank
GRP024	Entire Facility	EQT21 Lime Storage Silo
GRP024	Entire Facility	EQT22 Lime Storage Silo
GRP024	Entire Facility	EQT23 Lime Storage Silo
GRP024	Entire Facility	EQT24 Lime Storage Silo
GRP024	Entire Facility	EQT25 Fly Ash Silo
GRP024	Entire Facility	GRP1 Unit 1 Stack A - Natural Gas Fired
GRP024	Entire Facility	GRP2 Unit 1 Stack A - No. 2 Fuel Oil Fired
GRP024	Entire Facility	GRP3 Unit 1 Stack A - No. 4 Fuel Oil Fired
GRP024	Entire Facility	GRP4 Unit 1 Stack B - Natural Gas Fired
GRP024	Entire Facility	GRP5 Unit 1 Stack B - No. 2 Fuel Oil Fired
GRP024	Entire Facility	GRP6 Unit 1 Stack B - No. 4 Fuel Oil Fired
GRP024	Entire Facility	GRP7 Unit 2 Stack A - Natural Gas Fired
GRP024	Entire Facility	GRP8 Unit 2 Stack A - No. 2 Fuel Oil Fired
GRP024	Entire Facility	GRP9 Unit 2 Stack A - No. 4 Fuel Oil Fired
GRP024	Entire Facility	GRP10 Unit 2 Stack B - Natural Gas Fired
GRP024	Entire Facility	GRP11 Unit 2 Stack B - No. 2 Fuel Oil Fired
GRP024	Entire Facility	GRP12 Unit 2 Stack B - No. 4 Fuel Oil Fired
GRP024	Entire Facility	GRP13 Unit 3 Stack - Natural Gas Fired
GRP024	Entire Facility	GRP14 Unit 3 Stack - No. 2 Fuel Oil Fired
GRP024	Entire Facility	GRP15 Unit 3 Stack - No. 4 Fuel Oil Fired
GRP024	Entire Facility	GRP16 Unit 4 Stack - Natural Gas Fired
GRP024	Entire Facility	GRP17 Unit 4 Stack - No. 6 Fuel Oil Fired
GRP024	Entire Facility	GRP18 Unit 5 Stack - Natural Gas Fired
GRP024	Entire Facility	GRP19 Unit 5 Stack - No. 6 Fuel Oil Fired
GRP024	Entire Facility	GRP20 Unit 3 Aux Boiler Stack- Natural Gas
GRP024	Entire Facility	GRP21 Unit 3 Aux Boiler Stack - No. 2 Fuel Oil Fired

INVENTORIES

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP024	Entire Facility	GRP22 Unit 3 Aux Boiler Stack - No. 4 Fuel Oil Fired
GRP024	Entire Facility	GRP23 Boiler Common Requirements Group
GRP027	Lime Storage/Fly Ash Group	EQT21 Lime Storage Silo
GRP027	Lime Storage/Fly Ash Group	EQT22 Lime Storage Silo
GRP027	Lime Storage/Fly Ash Group	EQT23 Lime Storage Silo
GRP027	Lime Storage/Fly Ash Group	EQT24 Lime Storage Silo
GRP027	Lime Storage/Fly Ash Group	EQT25 Fly Ash Silo

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT001	52	245000	10.5	196	196	300
EQT002	52	245000	10.5	196	196	300
EQT003	52	327500	12	196	196	300
EQT004	52	327500	12	196	196	300
EQT005	90		19	400	400	260
EQT006	90		18	210	210	260
EQT007	90		19	400	400	300
EQT008	25.2	42750	6	75	75	824
GRP001						

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP024	2045	MW	1410 - B) Electric Power Gen. (0.7 percent S or Less in Fuel) (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 M6	0.05	0.05	0.24												
EQT 001 C1A	51.85	51.85	227.10	478.85	478.85	2097.36	195.20	195.20	854.98	30.50	297.00	133.59	4.64	4.64	20.31
EQT 002 C1B	51.85	51.85	227.10	478.85	478.85	2097.36	195.20	195.20	854.98	30.50	297.00	133.59	4.64	4.64	20.31
EQT 003 C2A	66.94	66.94	293.19	618.19	618.19	2707.66	252.00	252.00	1103.76	39.38	397.00	172.46	6.33	6.33	27.74
EQT 004 C2B	66.94	66.94	293.19	618.19	618.19	2707.66	252.00	252.00	1103.76	39.38	397.00	172.46	6.33	6.33	27.74
EQT 005 C3	590.00	590.00	2584.20	4320.00	4320.00	18921.60	1620.00	1620.00	7095.60	521.64	1954.00	2284.78	34.16	34.16	149.60
EQT 006 C4	421.36	421.36	1845.55	4295.52	4295.52	18814.38	1692.00	1692.00	7410.96	477.76	1954.00	2091.26	31.26	31.26	136.93
EQT 007 C5	421.36	421.36	1845.55	4295.52	4295.52	18814.38	1552.00	1152.00	5045.76	180.00	1955.00	788.40	32.10	32.10	140.59
EQT 008 C6	11.90	11.90	52.12	109.90	109.90	481.36	65.80	65.80	288.20	18.23	30.70	79.84	1.19	1.19	5.23
EQT 009 T1													0.69	0.69	3.00
EQT 010 T2													1.37	1.37	6.00
EQT 011 T3													1.37	1.37	6.00
EQT 012 T4													1.60	1.60	7.00
EQT 013 T5													1.60	1.60	7.00
EQT 014 T6													1.60	1.60	7.00
EQT 015 T7													1.60	1.60	7.00
EQT 016 T8													1.60	1.60	7.00
EQT 017 T9													1.60	1.60	7.00

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant
 Activity Number: PER19960002
 Permit Number: 1280-00010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 018													1.60	1.60	7.00
T10													1.60	1.60	7.00
EQT 019															
T11															
EQT 020													0.23	0.23	1.00
T115															
EQT 021	< 0.01	< 0.01	< 0.01												
M1															
EQT 022	< 0.01	< 0.01	< 0.01												
M2															
EQT 023	< 0.01	< 0.01	< 0.01												
M3															
EQT 024	< 0.01	< 0.01	< 0.01												
M4															
EQT 025	< 0.01	< 0.01	< 0.01												
M5															
GRP 001	6.09	6.09	26.66	0.48	0.48	2.11	136.17	136.17	596.42	19.22	297.00	84.20	4.41	4.41	19.30
GRP 002	20.13	20.13	88.17	478.85	478.85	2097.36	146.40	146.40	641.23	30.50	297.00	133.59	1.22	1.22	5.34
C1A															
GRP 003	51.85	51.85	227.10	457.50	457.50	2003.85	195.20	195.20	854.98	30.50	297.00	133.59	4.64	4.64	20.31
C1A															
GRP 004	6.09	6.09	26.66	0.48	0.48	2.11	136.17	136.17	596.42	19.22	297.00	84.20	4.41	4.41	19.30
C1B															
GRP 005	20.13	20.13	88.17	478.85	478.85	2097.36	146.40	146.40	641.23	30.50	297.00	133.59	1.22	1.22	5.34
C1B															
GRP 006	51.85	51.85	227.10	457.50	457.50	2003.85	195.20	195.20	854.98	30.50	297.00	133.59	4.64	4.64	20.31
C1B															
GRP 007	8.75	8.75	38.33	0.69	0.69	3.03	195.76	195.76	857.41	27.64	397.00	121.05	6.33	6.33	27.74
C2A															
GRP 008	25.99	25.99	113.83	618.19	618.19	2707.66	189.00	189.00	827.82	39.38	397.00	172.46	1.58	1.58	6.90
C2A															
GRP 009	66.94	66.94	293.19	590.63	590.63	2586.94	252.00	252.00	1103.76	39.38	397.00	172.46	5.99	5.99	26.21
C2A															
GRP 010	8.75	8.75	38.33	0.69	0.69	3.03	195.76	195.76	857.41	27.64	397.00	121.05	6.33	6.33	27.74
C2B															

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 011 C2B	25.99	25.99	113.83	618.19	618.19	2707.66	189.00	189.00	827.82	39.38	397.00	172.46	1.58	1.58	6.90
GRP 012 C2B	66.94	66.94	293.19	590.63	590.63	2586.94	252.00	252.00	1103.76	39.38	397.00	172.46	5.99	5.99	26.21
GRP 013 C3	590.00	590.00	2584.20	3.73	3.73	16.32	1180.00	1180.00	5168.40	521.64	1954.00	2284.78	34.16	34.16	149.60
GRP 014 C3	540.00	540.00	2365.20	4320.00	4320.00	18921.60	1620.00	1620.00	7095.60	197.08	1954.00	863.21	7.88	7.88	34.53
GRP 015 C3	540.00	540.00	2365.20	4320.00	4320.00	18921.60	1620.00	1620.00	7095.60	197.08	1954.00	863.21	29.96	29.96	131.21
GRP 016 C4	43.20	43.20	189.21	3.41	3.41	14.94	1591.52	1591.52	6970.86	477.76	1954.00	2091.26	31.26	31.26	136.93
GRP 017 C4	421.36	421.36	1845.55	4295.52	4295.52	18814.38	1692.00	1692.00	7410.96	180.00	1954.00	788.40	27.36	27.36	119.84
GRP 018 C5	44.35	44.35	194.27	3.50	3.50	15.34	992.12	992.12	4345.49	140.06	1955.00	613.48	32.10	32.10	140.59
GRP 019 C5	421.36	421.36	1845.55	4295.52	4295.52	18814.38	1152.00	1152.00	5045.70	180.00	1955.00	788.40	27.36	27.36	119.84
GRP 020 C6	1.65	1.65	7.22	0.13	0.13	0.57	60.76	60.76	266.13	18.23	30.70	79.84	1.19	1.19	5.23
GRP 021 C6	4.62	4.62	20.24	109.90	109.90	481.36	33.60	33.60	147.17	7.00	30.70	30.66	0.28	0.28	1.23
GRP 022 C6	11.90	11.90	52.12	105.00	105.00	459.90	65.80	65.80	288.20	7.00	30.70	30.66	1.06	1.06	4.66

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 7368.24 tons/yr

SO2: 66641.76 tons/yr

NOx: 23758.00 tons/yr

CO: 5856.38 tons/yr

VOC: 600.45 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	1,1,1-Trichloroethane				2,2,4-Trimethylpentane				Antimony (and compounds)				Arsenic (and compounds)				Barium (and compounds)			
	Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year	
EQT 001 C1A	< 0.01	< 0.01	0.01										< 0.01	< 0.01	0.01					
EQT 002 C1B	< 0.01	< 0.01	0.01										< 0.01	< 0.01	0.01					
EQT 003 C2A	< 0.01	< 0.01	0.01										< 0.01	< 0.01	0.02					
EQT 004 C2B	< 0.01	< 0.01	0.01										< 0.01	< 0.01	0.02					
EQT 005 C3	0.01	0.01	0.04										0.02	0.02	0.09					
EQT 006 C4	0.01	0.01	0.04										0.05	0.05	0.21					
EQT 007 C5	0.01	0.01	0.04										0.05	0.05	0.21					
EQT 008 C6	< 0.01	< 0.01	< 0.01										< 0.01	< 0.01	< 0.01					
EQT 009 T1																				
EQT 010 T2																				
EQT 011 T3																				
EQT 012 T4																				
EQT 013 T5																				
EQT 014 T6																				
EQT 015 T7																				
EQT 016 T8																				
EQT 017 T9																				
EQT 018 T10																				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Benzene				Beryllium (Table 51.1)				Cadmium (and compounds)				Chromium VI (and compounds)				Copper (and compounds)			
	Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year	
EQT 001 C1A	< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		0.01	0.01	0.02	
EQT 002 C1B	< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		0.01	0.01	0.02	
EQT 003 C2A	< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		0.01	0.01	0.03	
EQT 004 C2B	< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		< 0.01	< 0.01	0.01		0.01	0.01	0.03	
EQT 005 C3	0.01	0.01	0.06		0.02	0.02	0.07		0.02	0.02	0.07		0.02	0.02	0.07		0.03	0.03	0.14	
EQT 006 C4	0.01	0.01	0.05		< 0.01	< 0.01	< 0.01		0.01	0.01	0.06		0.03	0.03	0.13		0.06	0.06	0.28	
EQT 007 C5	0.01	0.01	0.05		< 0.01	< 0.01	< 0.01		0.01	0.01	0.06		0.03	0.03	0.13		0.06	0.06	0.28	
EQT 008 C6	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	0.01	
EQT 009 T1																				
EQT 010 T2																				
EQT 011 T3																				
EQT 012 T4																				
EQT 013 T5																				
EQT 014 T6																				
EQT 015 T7																				
EQT 016 T8																				
EQT 017 T9																				
EQT 018 T10																				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Cumene				Dichlorobenzene				Ethyl benzene				Formaldehyde				Lead compounds			
	Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year	
EQT 001 C1A					< 0.01	< 0.01	< 0.01						0.20	0.20	0.88		0.01	0.01	0.03	
EQT 002 C1B					< 0.01	< 0.01	0.01						0.20	0.20	0.88		0.01	0.01	0.03	
EQT 003 C2A					< 0.01	< 0.01	0.01						0.26	0.26	1.14		0.01	0.01	0.04	
EQT 004 C2B					< 0.01	< 0.01	0.01						0.26	0.26	1.14		0.01	0.01	0.04	
EQT 005 C3					0.01	0.01	0.03						1.30	1.30	5.70		0.05	0.05	0.21	
EQT 006 C4					0.01	0.01	0.03						1.19	1.19	5.20		0.05	0.05	0.24	
EQT 007 C5					0.01	0.01	0.03						1.19	1.19	5.20		0.05	0.05	0.24	
EQT 008 C6					< 0.01	< 0.01	< 0.01						0.05	0.05	0.20		< 0.01	< 0.01	0.01	
EQT 009 T1	< 0.01	< 0.01	< 0.01						< 0.01	< 0.01	0.01									
EQT 010 T2	< 0.01	< 0.01	0.01						0.01	0.01	0.03									
EQT 011 T3	< 0.01	< 0.01	0.01						0.01	0.01	0.03									
EQT 012 T4																				
EQT 013 T5																				
EQT 014 T6																				
EQT 015 T7																				
EQT 016 T8																				
EQT 017 T9																				
EQT 018 T10																				

EMISSION RATES FOR TAPIHAP & OTHER POLLUTANTS

AIID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant
 Activity Number: PER19960002
 Permit Number: 1280-00010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Manganese (and compounds)			Mercury (and compounds)			Naphthalene			Nickel (and compounds)			Selenium (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 C1A	0.01	0.01	0.02	< 0.01	< 0.01	0.01	0.01	0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.05
EQT 002 C1B	0.01	0.01	0.02	< 0.01	< 0.01	0.01	0.01	0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.05
EQT 003 C2A	0.01	0.01	0.03	< 0.01	< 0.01	0.01	0.01	0.01	0.01	< 0.01	< 0.01	0.01	0.02	0.02	0.07
EQT 004 C2B	0.01	0.01	0.03	< 0.01	< 0.01	0.01	0.01	0.01	0.01	< 0.01	< 0.01	0.01	0.02	0.02	0.07
EQT 005 C3	0.03	0.03	0.14	0.02	0.02	0.07	0.05	0.05	0.20	0.02	0.02	0.07	0.08	0.08	0.35
EQT 006 C4	0.11	0.11	0.47	< 0.01	< 0.01	0.02	0.04	0.04	0.18	3.04	3.04	13.32	0.03	0.03	0.11
EQT 007 C5	0.11	0.11	0.47	< 0.01	< 0.01	0.02	0.04	0.04	0.18	3.04	3.04	13.32	0.03	0.03	0.11
EQT 008 C6	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
EQT 009 T1							< 0.01	< 0.01	< 0.01						
EQT 010 T2							< 0.01	< 0.01	< 0.01						
EQT 011 T3							< 0.01	< 0.01	< 0.01						
EQT 012 T4															
EQT 013 T5															
EQT 014 T6															
EQT 015 T7															
EQT 016 T8															
EQT 017 T9															
EQT 018 T10															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Toluene				Xylene (mixed isomers)				Zinc (and compounds)				n-Hexane			
	Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year		Avg lb/hr	Max lb/hr	Tons/Year	
EQT 001 C1A	0.04	0.04	0.17	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	
EQT 002 C1B	0.04	0.04	0.17	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	
EQT 003 C2A	0.05	0.05	0.21	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.02	
EQT 004 C2B	0.05	0.05	0.21	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.02	
EQT 005 C3	0.24	0.24	1.07	<	0.01	<	0.01	<	0.02	<	0.02	<	0.02	<	0.09	
EQT 006 C4	0.22	0.22	0.98	<	0.01	<	0.01	<	1.05	<	1.05	<	1.05	<	4.59	
EQT 007 C5	0.22	0.22	0.98	<	0.01	<	0.01	<	1.05	<	1.05	<	1.05	<	4.59	
EQT 008 C6	0.01	0.01	0.04	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	
EQT 009 T1	0.01	0.01	0.04		0.02		0.02		0.08		0.08		0.09		0.09	0.40
EQT 010 T2	0.02	0.02	0.07		0.04		0.04		0.15		0.15		0.18		0.18	0.79
EQT 011 T3	0.02	0.02	0.07		0.04		0.04		0.15		0.15		0.18		0.18	0.79
EQT 012 T4	0.03	0.03	0.14		0.02		0.02		0.09		0.09		0.05		0.05	0.22
EQT 013 T5	0.03	0.03	0.14		0.02		0.02		0.09		0.09		0.05		0.05	0.22
EQT 014 T6	0.03	0.03	0.14		0.02		0.02		0.09		0.09		0.05		0.05	0.22
EQT 015 T7	0.03	0.03	0.14		0.02		0.02		0.09		0.09		0.05		0.05	0.22
EQT 016 T8	0.03	0.03	0.14		0.02		0.02		0.09		0.09		0.05		0.05	0.22
EQT 017 T9	0.03	0.03	0.14		0.02		0.02		0.09		0.09		0.05		0.05	0.22
EQT 018 T10	0.03	0.03	0.14		0.02		0.02		0.09		0.09		0.05		0.05	0.22

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant
 Activity Number: PER19960002
 Permit Number: 1280-00010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	1,1,1-Trichloroethane			2,2,4-Trimethylpentane			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019															
T11															
EQT 020				< 0.01	< 0.01	< 0.01									
T115															
GRP 001															
C1A															
GRP 002	< 0.01	< 0.01	0.01												
C1A															
GRP 003	< 0.01	< 0.01	0.01												
C1A															
GRP 004															
C1B															
GRP 005	< 0.01	< 0.01	0.01												
C1B															
GRP 006	< 0.01	< 0.01	0.01												
C1B															
GRP 007															
C2A															
GRP 008	< 0.01	< 0.01	0.01												
C2A															
GRP 009	< 0.01	< 0.01	0.01												
C2A															
GRP 010															
C2B															
GRP 011	< 0.01	< 0.01	0.01												
C2B															
GRP 012	< 0.01	< 0.01	0.01												
C2B															
GRP 013															
C3															
GRP 014	0.01	0.01	0.04												
C3															
GRP 015	0.01	0.01	0.04												
C3															
GRP 016															
C4															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Benzene			Beryllium (Table 51.1)			Cadmium (and compounds)			Chromium VI (and compounds)			Copper (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019 T11															
EQT 020 T115	< 0.01	< 0.01	0.01												
GRP 001 C1A	< 0.01	< 0.01	0.01				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
GRP 002 C1A	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.02
GRP 003 C1A	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.02
GRP 004 C1B	< 0.01	< 0.01	0.01				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
GRP 005 C1B	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.02
GRP 006 C1B	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.02
GRP 007 C2A	< 0.01	< 0.01	0.01				< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01			
GRP 008 C2A	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.03
GRP 009 C2A	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.03
GRP 010 C2B	< 0.01	< 0.01	0.01				< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01			
GRP 011 C2B	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.03
GRP 012 C2B	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.03
GRP 013 C3	0.01	0.01	0.06				0.01	0.01	0.03	0.01	0.01	0.04			
GRP 014 C3	0.01	0.01	0.04	0.02	0.02	0.07	0.02	0.02	0.07	0.02	0.02	0.07	0.03	0.03	0.14
GRP 015 C3	0.01	0.01	0.04	0.02	0.02	0.07	0.02	0.02	0.07	0.02	0.02	0.07	0.03	0.03	0.14
GRP 016 C4	0.01	0.01	0.05				0.01	0.01	0.03	0.01	0.01	0.03			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant
 Activity Number: PER19960002
 Permit Number: 1280-00010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Cumene			Dichlorobenzene			Ethyl benzene			Formaldehyde			Lead compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019 T11															
EQT 020 T115															
GRP 001 C1A	< 0.01	< 0.01	< 0.01				0.06	0.06	0.26						
GRP 002 C1A							0.20	0.20	0.88				0.01	0.01	0.03
GRP 003 C1A							0.20	0.20	0.88				0.01	0.01	0.03
GRP 004 C1B	< 0.01	< 0.01	0.01				0.06	0.06	0.26						
GRP 005 C1B							0.20	0.20	0.88				0.01	0.01	0.03
GRP 006 C1B							0.20	0.20	0.88				0.01	0.01	0.03
GRP 007 C2A	< 0.01	< 0.01	0.01				0.09	0.09	0.38						
GRP 008 C2A							0.26	0.26	1.14				0.01	0.01	0.04
GRP 009 C2A							0.26	0.26	1.14				0.01	0.01	0.04
GRP 010 C2B	< 0.01	< 0.01	0.01				0.09	0.09	0.38						
GRP 011 C2B							0.26	0.26	1.14				0.01	0.01	0.04
GRP 012 C2B							0.26	0.26	1.14				0.01	0.01	0.04
GRP 013 C3	0.01	0.01	0.03				0.47	0.47	2.04						
GRP 014 C3							1.30	1.30	5.70				0.05	0.05	0.21
GRP 015 C3							1.30	1.30	5.70				0.05	0.05	0.21
GRP 016 C4							0.43	0.43	1.87						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant
 Activity Number: PER19960002
 Permit Number: 1280-00010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Manganese (and compounds)			Mercury (and compounds)			Naphthalene			Nickel (and compounds)			Selenium (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019															
T11															
EQT 020															
T115															
GRP 001	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
C1A															
GRP 002	0.01	0.01	0.02	< 0.01	< 0.01	< 0.01	0.01	0.01	0.03	< 0.01	< 0.01	0.01	0.01	0.01	0.05
C1A															
GRP 003	0.01	0.01	0.02	< 0.01	< 0.01	< 0.01	0.01	0.01	0.03	< 0.01	< 0.01	0.01	0.01	0.01	0.05
C1A															
GRP 004	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
C1B															
GRP 005	0.01	0.01	0.02	< 0.01	< 0.01	< 0.01	0.01	0.01	0.03	< 0.01	< 0.01	0.01	0.01	0.01	0.05
C1B															
GRP 006	0.01	0.01	0.02	< 0.01	< 0.01	< 0.01	0.01	0.01	0.03	< 0.01	< 0.01	0.01	0.01	0.01	0.05
C1B															
GRP 007	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
C2A															
GRP 008	0.01	0.01	0.03	< 0.01	< 0.01	< 0.01	0.01	0.01	0.04	< 0.01	< 0.01	0.01	0.02	0.02	0.07
C2A															
GRP 009	0.01	0.01	0.03	< 0.01	< 0.01	< 0.01	0.01	0.01	0.04	< 0.01	< 0.01	0.01	0.02	0.02	0.07
C2A															
GRP 010	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
C2B															
GRP 011	0.01	0.01	0.03	< 0.01	< 0.01	< 0.01	0.01	0.01	0.04	< 0.01	< 0.01	0.01	0.02	0.02	0.07
C2B															
GRP 012	0.01	0.01	0.03	< 0.01	< 0.01	< 0.01	0.01	0.01	0.04	< 0.01	< 0.01	0.01	0.02	0.02	0.07
C2B															
GRP 013	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01
C3															
GRP 014	0.03	0.03	0.14	0.02	0.02	0.07	0.05	0.05	0.20	0.02	0.02	0.07	0.08	0.08	0.35
C3															
GRP 015	0.03	0.03	0.14	0.02	0.02	0.07	0.05	0.05	0.20	0.02	0.02	0.07	0.08	0.08	0.35
C3															
GRP 016	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.01	0.01	0.05	< 0.01	< 0.01	< 0.01
C4															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Toluene				Xylene (mixed isomers)				Zinc (and compounds)				n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 019 T11	0.03	0.03	0.14	0.02	0.02	0.09				0.05	0.05		0.05	0.05	0.22
EQT 020 T115	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01				0.01	0.01		0.01	0.01	0.05
GRP 001 C1A	< 0.01	< 0.01	0.01												
GRP 002 C1A	0.04	0.04	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01			
GRP 003 C1A	0.04	0.04	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01			
GRP 004 C1B	< 0.01	< 0.01	0.01												
GRP 005 C1B	0.04	0.04	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01			
GRP 006 C1B	0.04	0.04	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01			
GRP 007 C2A	< 0.01	< 0.01	0.02												
GRP 008 C2A	0.05	0.05	0.21	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02			
GRP 009 C2A	0.05	0.05	0.21	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02			
GRP 010 C2B	< 0.01	< 0.01	0.02												
GRP 011 C2B	0.05	0.05	0.21	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02			
GRP 012 C2B	0.05	0.05	0.21	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02			
GRP 013 C3	0.02	0.02	0.09												
GRP 014 C3	0.24	0.24	1.07	< 0.01	< 0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.09			
GRP 015 C3	0.24	0.24	1.07	< 0.01	< 0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.09			
GRP 016 C4	0.02	0.02	0.08												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	1,1,1-Trichloroethane			2,2,4-Trimethylpentane			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 017 C4	0.01	0.01	0.04				0.19	0.19	0.83	0.05	0.05	0.21	0.09	0.09	0.41
GRP 018 C5										< 0.01	< 0.01	0.01			
GRP 019 C5	0.01	0.01	0.04	0.19	0.19	0.83				0.05	0.05	0.21	0.09	0.09	0.41
GRP 020 C6										< 0.01	< 0.01	< 0.01			
GRP 021 C6	< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	< 0.01			
GRP 022 C6	< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Benzene				Beryllium (Table 51.1)				Cadmium (and compounds)				Chromium VI (and compounds)				Copper (and compounds)				
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year			
GRP 017 C4	0.01	0.01	0.03	< 0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.03	0.03	0.13	0.06	0.06	0.28
GRP 018 C5	0.01	0.01	0.05				0.01	0.01	0.03	0.01	0.01	0.04									
GRP 019 C5	0.01	0.01	0.03	< 0.01	< 0.01	< 0.01	0.01	0.01	0.06	0.03	0.03	0.13	0.06	0.06	0.06	0.06	0.06	0.13	0.06	0.06	0.28
GRP 020 C6	< 0.01	< 0.01	0.01				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
GRP 021 C6	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
GRP 022 C6	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Cumene			Dichlorobenzene			Ethyl benzene			Formaldehyde			Lead compounds		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 017 C4										1.30	1.30	5.70	0.05	0.05	0.24
GRP 018 C5				0.01	0.01	0.03				0.44	0.44	1.92			
GRP 019 C5										1.27	1.27	5.55	0.05	0.05	0.24
GRP 020 C6				< 0.01	< 0.01	< 0.01				0.02	0.02	0.07			
GRP 021 C6										0.05	0.05	0.20	< 0.01	< 0.01	0.01
GRP 022 C6										0.05	0.05	0.20	< 0.01	< 0.01	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

At ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

Permit Number: 1280-00010-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Manganese (and compounds)			Mercury (and compounds)			Naphthalene			Nickel (and compounds)			Selenium (and compounds)					
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year			
GRP 017 C4	0.11	0.11	0.47	< 0.01	< 0.01	0.01	0.02	0.05	0.05	0.05	0.05	0.20	3.04	3.04	13.32	0.03	0.03	0.11
GRP 018 C5	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	< 0.01	< 0.01	< 0.01	0.02	0.02	0.01	0.01	0.05			
GRP 019 C5	0.11	0.11	0.47	< 0.01	< 0.01	0.01	0.02	0.04	0.04	0.04	0.19	0.19	3.04	3.04	13.32	0.03	0.03	0.11
GRP 020 C6	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
GRP 021 C6	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
GRP 022 C6	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant
 Activity Number: PER19960002
 Permit Number: 1280-00010-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	Toluene			Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 017 C4	0.24	0.24	1.07	< 0.01	< 0.01	0.02	1.05	1.05	4.59			
GRP 018 C5	0.02	0.02	0.09									
GRP 019 C5	0.24	0.24	1.04	< 0.01	< 0.01	0.02	1.05	1.05	4.59			
GRP 020 C6	< 0.01	< 0.01	< 0.01									
GRP 021 C6	0.01	0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
GRP 022 C6	0.01	0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

- 1,1,1-Trichloroethane: 0.16 tons/yr
- 2,2,4-Trimethylpentane: <0.01 tons/yr
- Antimony (and compounds): 1.66 tons/yr
- Arsenic (and compounds): 0.57 tons/yr
- Barium (and compounds): 0.82 tons/yr
- Benzene: 0.21 tons/yr
- Beryllium (Table 51.1): 0.11 tons/yr
- Cadmium (and compounds): 0.23 tons/yr
- Chromium VI (and compounds): 0.37 tons/yr
- Copper (and compounds): 0.81 tons/yr
- Cumene: 0.02 tons/yr
- Dichlorobenzene: 0.12 tons/yr
- Ethyl benzene: 0.07 tons/yr
- Formaldehyde: 20.34 tons/yr
- Lead compounds: 0.84 tons/yr
- Manganese (and compounds): 1.19 tons/yr
- Mercury (and compounds): 0.15 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

Activity Number: PER19960002

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Air - Title V Regular Permit Initial

All phases

n-Hexane: 3.79 tons/yr

Naphthalene: 0.71 tons/yr

Nickel (and compounds): 26.75 tons/yr

Selenium (and compounds): 0.82 tons/yr

Toluene: 5.13 tons/yr

Xylene (mixed isomers): 1.16 tons/yr

Zinc (and compounds): 9.33 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 2625 - Entergy Gulf States Utilities Inc - Willow Glen Plant

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ARE001 Unpaved Road Fugitive Emissions

- 1 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

EQT005 Unit 3 Stack - Multiple Fuels

- 2 Particulate matter (10 microns or less) \leq 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood residue. Subpart D. [40 CFR 60.42(a)(1)]

Which Months: All Year Statistical Basis: None specified

- 3 Opacity \leq 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]

Which Months: All Year Statistical Basis: Six-minute average

- 4 86 nanograms per joule heat input (0.20 lb per million Btu) derived from gaseous fossil fuel.

Nitrogen oxides \leq 0.20 lb/MMBTU. Subpart D. [40 CFR 60.44(a)(1)]

Which Months: All Year Statistical Basis: None specified

- 5 129 nanograms per joule heat input (0.30 lb per million Btu) derived from liquid fossil fuel, liquid fossil fuel and wood residue, or gaseous fossil fuel and wood residue.

Nitrogen oxides \leq 0.30 lb/MMBTU. Subpart D. [40 CFR 60.44(a)(2)]

Which Months: All Year Statistical Basis: None specified

- 6 Use the procedures in 40 CFR 60.45(c)(1) through (c)(5) for performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Subpart D. [40 CFR 60.45(c)]

- 7 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Subpart D. [40 CFR 60.45(g)]

- 8 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]

Which Months: All Year Statistical Basis: None specified

- 9 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]

Which Months: All Year Statistical Basis: None specified

- 10 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]

Which Months: All Year Statistical Basis: None specified

- 11 Conduct the performance tests required in 40 CFR 60.8 using as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.46, except as provided in 40 CFR 60.8(b). Subpart D. [40 CFR 60.46(a)]

EQT020 Gasoline Tank

- 12 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

- 13 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

- 14 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

GRP023 Boiler Common Requirements Group

SPECIFIC REQUIREMENTS

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GRP023 Boiler Common Requirements Group

- 15 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 16 Determine sulfur dioxide concentration in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]
- 17 Permittee may demonstrate compliance by monitoring input sulfur and calculating sulfur dioxide emissions. [LAC 33:III.1511.C]
- 18 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 19 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]
- 20 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513]
- 21 Nitrogen oxides monitored by technically sound method continuously. [LAC 33:III.2201.D]
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 22 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.b.i or the method in LAC 33:III.2201.E.1.b.ii. [LAC 33:III.2201.E.1.b]
- 23 Fuel monitored by totalizer continuously. Monitor gas and/or liquid fuel usage with a totalizing fuel meter. Provide belt scales or an equivalent device for coal-fired boilers. [LAC 33:III.2201.H.1.b.i]
Which Months: May-Sep Statistical Basis: None specified
- 24 Diluent - either Oxygen or Carbon dioxide monitored by the regulation's specified method(s) continuously. Monitor oxygen or carbon dioxide with a diluent monitor that meets all of the requirements of performance specification 3 of 40 CFR 60, Appendix B. [LAC 33:III.2201.H.1.b.ii]
Which Months: May-Sep Statistical Basis: None specified
- 25 Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NOx limits of LAC 33:III.2201.D or E. [LAC 33:III.2201.H.1.b.iii]
- 26 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously to demonstrate continuous compliance with the NOx emission factors of LAC 33:III.2201.D or E. Ensure that the CEMS meets all of the requirements of 40 CFR Part 60.13 and performance specification 2 of 40 CFR 60, Appendix B, or the requirements of 40 CFR Part 75 for units regulated under the Acid Rain Program. [LAC 33:III.2201.H.1.b.iii]
Which Months: May-Sep Statistical Basis: None specified
- 27 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide with a CO monitor that meets all of the requirements of performance specification 4 of 40 CFR 60, Appendix B. [LAC 33:III.2201.H.1.b.iv]
Which Months: May-Sep Statistical Basis: None specified
- 28 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 29 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 30 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 31 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]

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- 32 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and 1.4 as applicable. [LAC 33:III.2201.1.]
- 33 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 34 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 35 Conduct a performance/emissions test while firing fuel oil: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources (Instrumental Analyzer Procedure); and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 36 Conduct a performance/emissions test while firing natural gas: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 37 The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [40 CFR 72.9(a)(1)]
- 38 Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [40 CFR 72.9(a)(2)]
- 39 Comply with the monitoring requirements as provided in 40 CFR 75. [40 CFR 72.9(b)]
- 40 The owners and operators shall hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [40 CFR 72.9(c)(1)]
- 41 An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [40 CFR 72.9(c)(5)]
- 42 The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [40 CFR 72.9(e)(1)]
- 43 The owners and operators of an affected unit that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [40 CFR 72.9(e)(2)]

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GRP023 Boiler Common Requirements Group

- 44 Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority.
- 1.) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.
- 2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
- 3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.
- 4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- 45 The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [40 CFR 72.9(f)(2)]
- 46 To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-diluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO2, either by monitoring for both NO and NO2 or by monitoring for NO only and adjusting the emissions data to account for NO2. [40 CFR 75.10(a)(2)]
- 47 Determine CO2 emissions by using one of the options in 40 CFR 75.10(a)(3)(i), (ii), or (iii), except as provided in 40 CFR 75.13 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(3)]
- 48 Install, certify, operate, and maintain a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere, except as provided in 40 CFR 75.14 and 75.18. [40 CFR 75.10(a)(4)]
- 49 The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO2 and NOX emissions in the appropriate units of measurement (i.e., lb/hr for SO2 and lb/MM Btu for NOX). [40 CFR 75.10(b)]
- 50 The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]
- 51 The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. [40 CFR 75.10(d)]
- 52 The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]
- 53 The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. [40 CFR 75.10(g)]
- 54 Measure and record SO2 emissions by providing information satisfactory to the Administrator using the applicable procedures specified in appendix D to 40 CFR 75 for estimating hourly SO2 mass emissions. [40 CFR 75.11(d)(2)]

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GRP023 Boiler Common Requirements Group

- 55 Each continuous opacity monitoring system shall meet the design, installation, equipment, and performance specifications in Performance Specification 1 in appendix B to 40 CFR 60. [40 CFR 75.14(a)]
- 56 Comply with the applicable provisions of Subpart C-Operation and Maintenance Requirements, Subpart D-Missing Data Substitution Procedures, Subpart F-Recordkeeping Requirements, and Subpart G-Reporting Requirements. [40 CFR 75]

GRP024 Entire Facility

- 57 Nitrogen oxides monitored by technically sound method continuously. [LAC 33:III.2201.D.3]
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 58 Nitrogen oxides \leq 14.19 tons/day. [LAC 33:III.2201.D.3]
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 59 Do not fire an affected point source with Number 6 Fuel Oil or perform testing of emergency and training combustion units without prior approval of DEQ on a day that is designated as an Ozone Action Day by DEQ. [LAC 33:III.2201.D.9]
- 60 Include in the submitted plan a description of the actions that will be taken if any under-controlled unit is operated at more than 10 percent above its averaging capacity. [LAC 33:III.2201.E.1.d]
- 61 Equipment/operational data recordkeeping by electronic or hard copy continuously. Carry out recordkeeping that includes, but is not limited to, a record of the data on which the determination of each point source's hourly, daily, or 30-day, as appropriate, compliance with the facility-wide averaging plan is based. [LAC 33:III.2201.E.1.i]
- 62 Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.2201.G.2
- 63 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201.J.1 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]
- 64 Complete all initial compliance testing, specified by LAC 33:III.2201.G, for equipment modified with NOx reduction controls or a NOx monitoring system to meet the provisions of LAC 33:III.2202. [LAC 33:III.2201.J.2]
except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.2]
- 65 Complete required testing to demonstrate the performance of existing, unmodified equipment in a timely manner, but by no later than November 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.2]
- 66 Benzene \leq 0.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 67 Dichlorobenzene \leq 0.12 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 68 Naphthalene \leq 0.71 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 69 Formaldehyde \leq 20.34 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 70 Toluene \leq 5.13 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 71 Arsenic (and compounds) \leq 0.57 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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GRP024 Entire Facility

- 72 Cadmium (and compounds) <= 0.23 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 73 Chromium VI (and compounds) <= 0.37 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 74 Manganese (and compounds) <= 1.19 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 75 Mercury (and compounds) <= 0.15 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 76 Nickel (and compounds) <= 26.75 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 77 1,1,1-Trichloroethane <= 0.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 78 Beryllium (Table 51.1) <= 0.11 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 79 Copper (and compounds) <= 0.81 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 80 Lead compounds <= 0.84 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 81 Selenium (and compounds) <= 0.82 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 82 Xylene (mixed isomers) <= 1.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 83 Zinc (and compounds) <= 9.33 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 84 2,2,4-Trimethylpentane < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 85 n-Hexane <= 3.79 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 86 Cumene <= 0.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 87 Ethyl benzene <= 0.07 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 88 Particulate matter (10 microns or less) <= 7368.24 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 89 Sulfur dioxide <= 66641.76 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 90 Nitrogen oxides <= 23758.00 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 91 Carbon monoxide <= 5856.38 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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GRP024 **Entire Facility**

92 VOC, Total \leq 600.45 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

93 Antimony (and compounds) \leq 1.66 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

94 Barium (and compounds) \leq 0.82 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

95 Willow Glen Electric Generating Plant shall secure one allowance for each ton of SO₂ emitted per year. At the end of the year, each used allowance is retired and cannot be used again. EPA will record allowance transfers that are used for compliance and ensure that Willow Glen Electric Generating Plant's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73. [40 CFR 72.9(c)(1)(i)]

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96 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]